



Air Force Research Laboratory|AFRL

Science and Technology for Tomorrow's Air and Space Force

Success Story

NEW LEAFLET BOMB FOR HIGH-SPEED DEPLOYMENT



The Munitions Directorate delivered a critically needed, high-performance leaflet bomb to the warfighter. Directorate engineers modified MK-20 (Rockeye) dispensers scheduled for destruction in order to meet the requirement for an advanced leaflet bomb in minimum time and with minimal developmental costs, ultimately resulting in overall cost savings to the government.



Air Force Research Laboratory
Wright-Patterson AFB OH

Accomplishment

Within three weeks of notification, directorate personnel from the Fuzes Branch obtained a Rockeye dispenser from the 40th Test Squadron at Eglin AFB, Florida, removed the bomblets, and replaced them with leaflet rolls. Directorate engineers then successfully flight tested the newly designed leaflet bomb at Eglin's Range B-70. The leaflet bomb properly dispersed the leaflets within user requirements.

Background

The Air Combat Command briefed Air Armament Center personnel on the deficiencies of the M129 leaflet bomb for use in Afghanistan. The Department of Defense designed the M129 during World War II for dispensing leaflets; however, it did not meet the performance requirements for use on modern high-speed aircraft. The Air Force needed a quick turnaround on a low-cost, new leaflet bomb.

Munitions
Support to the Warfighter

Additional information

To receive more information about this or other activities in the Air Force Research Laboratory, contact TECH CONNECT, AFRL/XPTC, (800) 203-6451 and you will be directed to the appropriate laboratory expert. (02-MN-04)